



**NATIONAL
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STATISTICS
SERVICE**

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KENTUCKY WEEKLY CROP & WEATHER REPORT



In Cooperation with:
Univ. of Ky - Agr. Weather Center
U.S. Dept. of Commerce - NOAA
Kentucky Department of Agriculture
Cooperative Extension Service

LELAND E. BROWN, Director

Released weekly April - November

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22-11

AGRICULTURAL NEWS: Kentucky was beautiful and seasonal last week, but practically no rain was received statewide. Average rainfall for the week totaled 0.14 inches statewide, which is 0.64 inches below normal. The largest rainfall amount reported from a weather station was Quicksand at 1.17 inches. **Topsoil moisture** was rated 22 percent very short, 41 percent short, 36 percent adequate and 1 percent surplus. **Subsoil moisture** was rated 16 percent very short, 40 percent short, 42 percent adequate and 2 percent surplus. There were 6.5 days out of a possible 7 that were suitable for fieldwork. Main farm activities for the week included topping, cutting and housing of tobacco, preparing for corn harvest, mowing pastures, and corn silage harvest.

ROW CROPS: **Corn** crop condition was rated as 2 percent very poor, 8 percent poor, 32 percent fair, 46 percent good, and 12 percent excellent. Corn milked was at 89 percent. The corn crop is normally beyond this stage with both last year and the average at 100 percent. Seventy-six percent of the corn has reached the dough stage, behind both 98 percent for the previous year and 93 percent for the average. There is concern about adequate kernel fill due to the lack of rain during the milk and dough stages. Later planted fields could still benefit from a good shower. Fifty-six percent had dented, also behind the 86 percent of a year ago and 79 percent for the average. Sixteen percent of the corn acreage was considered mature, behind the 60 percent for the previous year and the five year average of 42 percent. Corn is being harvested in earlier planted fields that have dried down quickly due to lack of rain. **Soybean** condition was rated 2 percent very poor, 10 percent poor, 36 percent fair, 44 percent good, and 8 percent excellent. Soybeans setting pods was at 82 percent, behind both last year at 96 percent and 87 percent for the average. Moisture is greatly needed at this stage for adequate pod-fill. Four percent of soybeans were shedding leaves, compared to 13 percent last year, and 6 percent for the five year average. Producers are becoming increasingly concerned about the effect of the extended dry period on yields.

TOBACCO: Set tobacco condition was rated at 3 percent very poor, 11 percent poor, 35 percent fair, 41 percent good, and 10 percent excellent. Problems with fall army worm and hornworms were noted. No major disease problems. Burley tobacco cut was at 36 percent, compared to 38 percent last year and 39 percent for the average. Dark tobacco cut, was 40 percent, slightly behind 42 percent for the previous year, but just ahead of 39 percent for the five year average.

OTHER CROPS AND PASTURE: **Pasture** condition continues to slip and was reported as 8 percent very poor, 19 percent poor, 40 percent fair, 29 percent good, and 4 percent excellent. Hay crop condition was rated at 5 percent very poor, 15 percent poor, 40 percent fair, 35 percent good, and 5 percent excellent.

CROP PROGRESS for week ending 08/28/11

| Crop Stage | This Week | Last Week | Last Year | 5-Yr Avg |
|--------------------------|-----------|-----------|-----------|----------|
| Percent | | | | |
| Corn Milk | 89 | 80 | 100 | 100 |
| Corn Dough | 76 | 63 | 98 | 93 |
| Corn Dent | 56 | 39 | 86 | 79 |
| Corn Mature | 16 | NA | 60 | 42 |
| Soybeans Setting Pods | 82 | 66 | 96 | 87 |
| Soybeans Dropping Leaves | 4 | NA | 13 | 6 |
| Burley Tobacco Cut | 36 | 14 | 38 | 39 |
| Dark Tobacco Cut | 40 | 24 | 42 | 39 |

SOIL MOISTURE for week ending 08/28/11

| | Very Short | Short | Adequate | Surplus |
|---------|------------|-------|----------|---------|
| Percent | | | | |
| Topsoil | 22 | 41 | 36 | 1 |
| Subsoil | 16 | 40 | 42 | 2 |

CROP CONDITIONS for week ending 08/28/11

| Crop | Very Poor | Poor | Fair | Good | Ex |
|-------------|-----------|------|------|------|----|
| Percent | | | | | |
| Corn | 2 | 8 | 32 | 46 | 12 |
| Soybeans | 2 | 10 | 36 | 44 | 8 |
| Pasture | 8 | 19 | 40 | 29 | 4 |
| Hay Crops | 5 | 15 | 40 | 35 | 5 |
| Tobacco Set | 3 | 11 | 35 | 41 | 10 |

KENTUCKY WEATHER SUMMARY, AUGUST 22 - 28, 2011:

Near Normal Temperature and Below Normal Rainfall:

This past week was another dry one across the Commonwealth, with many locations recording no rainfall. Western and central parts of the state, which needed rain the most, received the least amount of rainfall. This worsened drought conditions in those areas and helped to spread them further east. Temperature wise the state had its 3rd week in a row with near normal temperatures.

Temperatures for the period averaged 75 degrees across the state which was 0 degrees from normal and no change to the previous period. High temperatures averaged from 89 in the West to 84 in the East. Departure from normal high temperatures ranged from 1 degree warmer than normal in the West to 1 degree cooler than normal in the East. Low temperatures averaged from 66 degrees in the West to 62 degrees in the East. Departure from normal low temperature ranged from 1 degree warmer than normal in the West to near normal in the East. The extreme high temperature for the period was 97 degrees at Bowling Green and the extreme low was 50 degrees at Paintsville.

Rainfall for the period totaled 0.14 inches statewide which was 0.64 inches below normal and 18% of normal. Rainfall totals by climate division, West 0.02 inches, Central 0.03 inches, Bluegrass 0.18 inches and East 0.32 inches, which was 0.69, 0.77, 0.6 and 0.52 inches below normal. By station, rainfall totals ranged from a low of 0.00 inches at Benton to a high of 1.17 inches at Quicksand.

Tom Priddy

KENTUCKY TEMPERATURES AND RAINFALL

FOR WEEK ENDING SUNDAY, AUGUST 28, 7:00 P.M.

| | Rainfall | | | Dev. From | | Air Temperature | | | | Growing Degree Days | | |
|-----------------|-----------|---------------|----------------|------------------|------------------|-----------------|----|------------|----------------|---------------------|---------------|------------------|
| | ===== | | | ===== | | ===== | | | | ===== | | |
| Weather Station | Last Week | Since April 1 | Last Four Wks. | Norm Since Apr 1 | Norm Last 4 Wks. | Hi | Lo | Wkly. Avg. | Dev. From Norm | Last Week | Since April 1 | Since Dev. Apr 1 |
| ===== | | | | | | | | | | | | |
| | (Inches) | | | | | (Degrees F) | | | | | | |
| Bardstown | 0.14 | 36.52 | 1.67 | +15.96 | -1.88 | 92 | 57 | 75.6 | +3 | 169 | 3100 | +287 |
| Berea | 0.19 | 24.72 | 1.66 | +3.68 | -1.94 | 92 | 53 | 72.3 | +0 | 150 | 2910 | +7 |
| Bowling Gree | 0.00 | 28.23 | 1.02 | +6.89 | -2.15 | 97 | 60 | 79.8 | +7 | 182 | 3381 | +448 |
| Bristol | 0.12 | 20.08 | 2.40 | +2.16 | -0.46 | 95 | 59 | 78.4 | +6 | 183 | 3215 | +524 |
| Buckhorn Lak | 0.73 | 32.44 | 3.52 | +12.29 | +0.22 | 85 | 54 | 72.1 | +0 | 153 | 2857 | +313 |
| Cape Girarde | 0.00 | 37.12 | 1.83 | +17.34 | -1.32 | 94 | 58 | 78.2 | +4 | 180 | 3319 | +235 |
| Campbellsvil | 0.00 | 27.52 | 2.32 | +3.93 | -1.81 | 92 | 56 | 74.7 | +2 | 167 | 3028 | +155 |
| Covington | 0.00 | 35.17 | 3.64 | +16.03 | +0.61 | 94 | 59 | 75.6 | +4 | 173 | 2977 | +315 |
| Cumberland G | 0.27 | 26.14 | 2.84 | +3.81 | -1.07 | 91 | 55 | 73.9 | +2 | 161 | 3078 | +417 |
| Dix Dam | 0.19 | 29.58 | 2.84 | +8.47 | -0.68 | 92 | 58 | 74.1 | +2 | 164 | 3032 | +191 |
| Evansville | 0.00 | 33.79 | 0.91 | +14.68 | -1.90 | 95 | 59 | 78.4 | +4 | 183 | 3262 | +328 |
| Glasgow | 0.00 | 30.01 | 1.39 | +6.85 | -2.25 | 92 | 59 | 76.2 | +4 | 174 | 3202 | +359 |
| Grayson | 0.19 | 34.04 | 2.84 | +14.06 | -0.55 | 88 | 53 | 71.0 | -1 | 145 | 2857 | +346 |
| Hardinsburg | 0.01 | 37.03 | 1.50 | +15.88 | -1.91 | 94 | 59 | 76.1 | +3 | 174 | 3102 | +169 |
| Henderson | 0.00 | 31.31 | 1.00 | +11.76 | -1.86 | 93 | 54 | 75.7 | +1 | 169 | 3182 | +218 |
| Huntington | 0.07 | 30.87 | 4.58 | +10.82 | +1.02 | 95 | 59 | 78.4 | +6 | 183 | 3192 | +500 |
| Jackson | 0.33 | 31.47 | 3.07 | +10.20 | -0.55 | 87 | 58 | 73.6 | +2 | 163 | 3023 | +479 |
| Lexington | 0.41 | 30.57 | 3.64 | +10.01 | +0.09 | 92 | 58 | 74.6 | +3 | 167 | 2986 | +294 |
| London | 0.00 | 28.86 | 3.07 | +9.31 | +0.08 | 89 | 55 | 74.4 | +2 | 166 | 3026 | +365 |
| Louisville | 0.04 | 34.73 | 3.46 | +14.71 | +0.26 | 97 | 64 | 79.7 | +7 | 191 | 3431 | +469 |
| Mayfield | 0.00 | 30.83 | 2.73 | +9.45 | -0.73 | 92 | 56 | 75.5 | +1 | 169 | 3262 | +268 |
| Nashville | 0.00 | 22.16 | 1.78 | +2.24 | -1.35 | 95 | 59 | 78.9 | +6 | 186 | 3310 | +168 |
| Nolin Lake | 0.00 | 35.82 | 2.54 | +13.45 | -0.85 | 94 | 56 | 75.8 | +3 | 172 | 3083 | +361 |
| Paducah | 0.00 | 36.92 | 1.46 | +15.71 | -1.56 | 93 | 59 | 78.2 | +4 | 180 | 3353 | +300 |
| Princeton | 0.00 | 34.90 | 3.95 | +13.38 | +0.33 | 91 | 60 | 76.3 | +2 | 179 | 3255 | +233 |
| Quicksand | 1.17 | 30.88 | 4.09 | +9.61 | +0.47 | 88 | 56 | 72.9 | +1 | 156 | 3010 | +466 |
| Somerset | 0.00 | 23.59 | 0.41 | +1.50 | -3.13 | 93 | 55 | 75.3 | +3 | 165 | 2965 | +213 |
| Spindletop | 0.36 | 30.87 | 2.89 | +10.31 | -0.66 | 92 | 58 | 74.3 | +2 | 165 | 2988 | +296 |
| Williamstown | 0.03 | 30.62 | 2.61 | +10.39 | -0.76 | 92 | 56 | 74.1 | +2 | 165 | 2907 | +215 |

The above information is provided by Tom Priddy, Kentucky Extension Agricultural Meteorologist, University of Kentucky Agr'l Weather Center (859)257-3000 ext 245. E-mail: priddy@uky.edu Additional Ky weather data available on Internet at: <http://www.wagwx.ca.uky.edu/>